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Applicant(s) Name:	Zheng Xuerin		
Address:	100022		
Inventor(s) Name:			
Attorney & Agent:			

**Abstract**

The present invention provides a three-layered overpass including one main path, one main bridge, four left turn lanes, four right turn lanes, four straight non-motorized vehicle lanes, and four turn-back lanes. The four left turn lanes are joined into the separate straight lanes smoothly to complete direct left turn. The overpass has separate lanes in different directions without conflict and interweaving. It has very small covered area and low building cost, has only single lane and no complicated road mark, and has separate lanes for motor vehicles and non-motor vehicles. With turn back lanes in different directions can solve traffic jamming.

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